

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122018\
 Data File : VD060673.D
 Acq On : 20 Dec 2018 22:08
 Operator : VA/AP
 Sample : J6481-01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VB-1

Quant Time: Dec 21 06:14:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 03:34:39 2018
 Response via : Initial Calibration

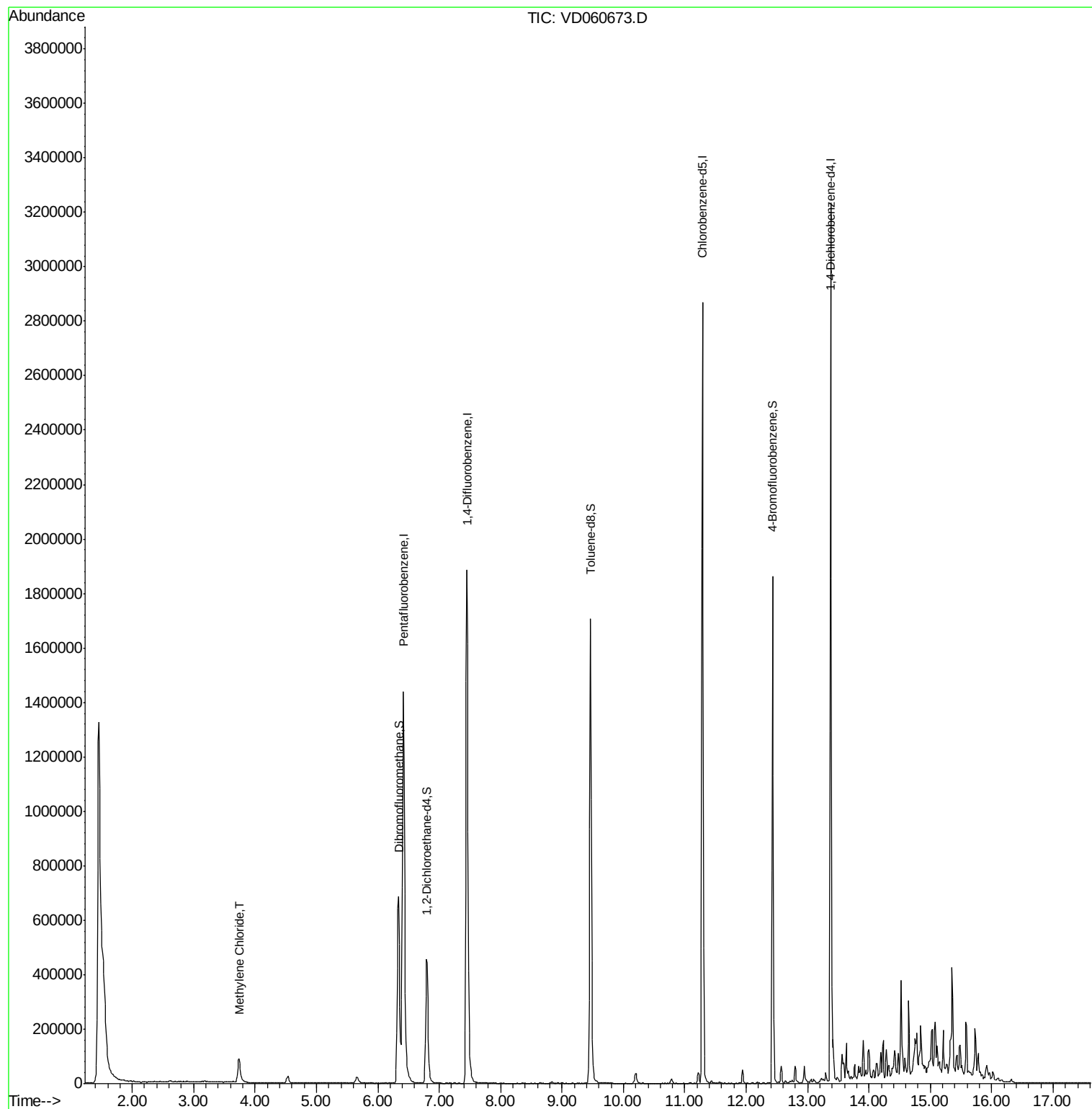
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1422977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2012218	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1539361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	718494	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.79	65	398324	40.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.02%	
35) Dibromofluoromethane	6.34	113	552192	37.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.98%	
50) Toluene-d8	9.47	98	1393999	31.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	63.44%	
62) 4-Bromofluorobenzene	12.43	95	489442	31.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	63.60%	
Target Compounds						
20) Methylene Chloride	3.74	84	58623	3.287	ug/l	Qvalue 93

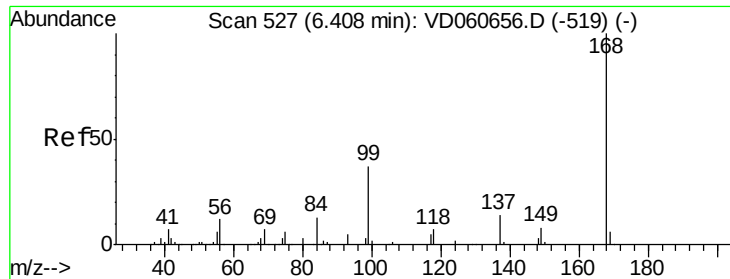
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 21 03:34:39 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 528

Delta R.T. 0.01 min

Lab File: VD060673.D

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Instrument :

MSVOA_D

ClientSampleId :

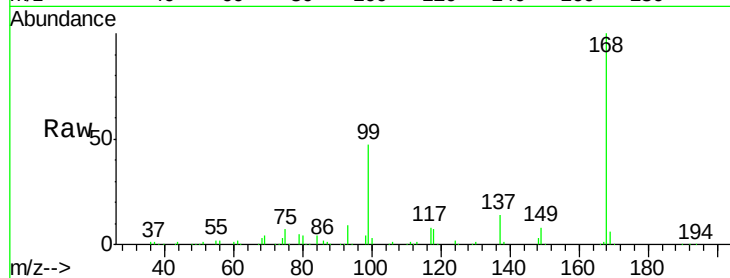
VB-1

Tgt Ion:168 Resp: 1422977

Ion Ratio Lower Upper

168 100

99 46.9 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

500000

400000

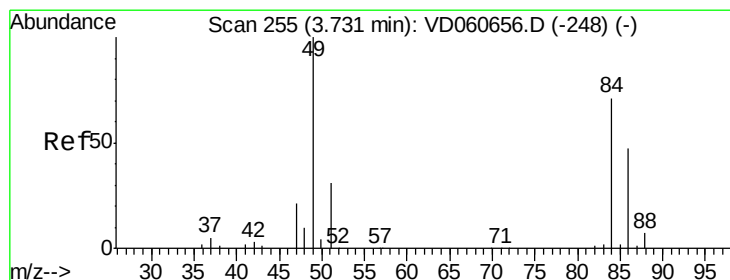
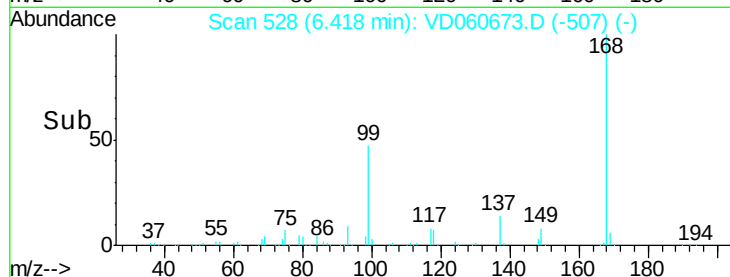
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 3.287 ug/l

RT: 3.74 min Scan# 256

Delta R.T. 0.01 min

Lab File: VD060673.D

Acq: 20 Dec 2018 22:08

Tgt Ion: 84 Resp: 58623

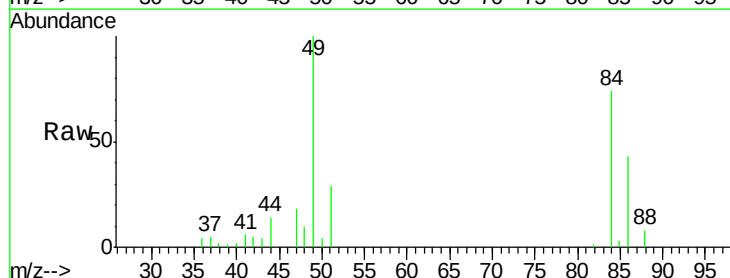
Ion Ratio Lower Upper

84 100

49 135.3 113.6 170.4

51 39.0 34.7 52.1

86 58.5 52.8 79.2



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

3.74

40000

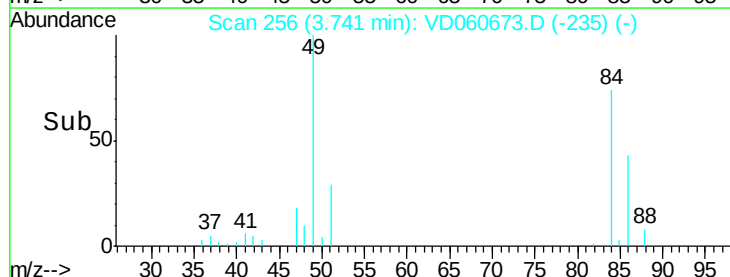
30000

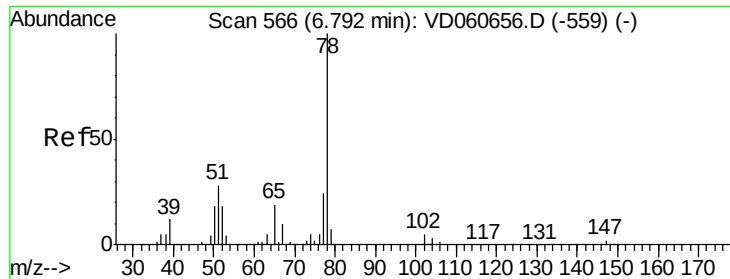
20000

10000

0

Time-->

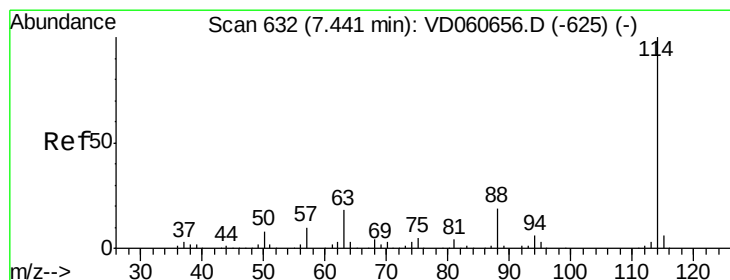
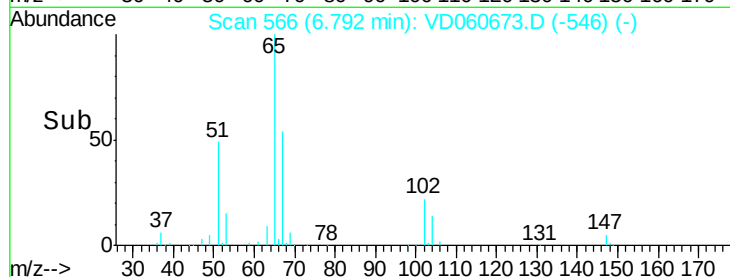
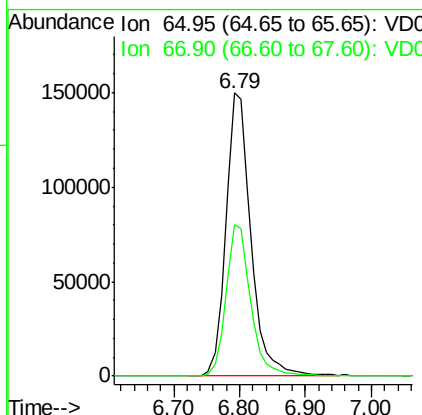
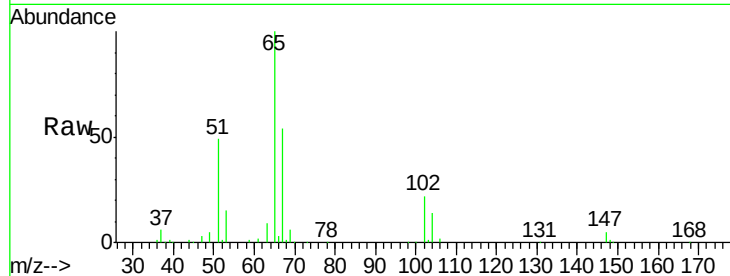




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.79 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD060673.D
 Acq: 20 Dec 2018 22:08

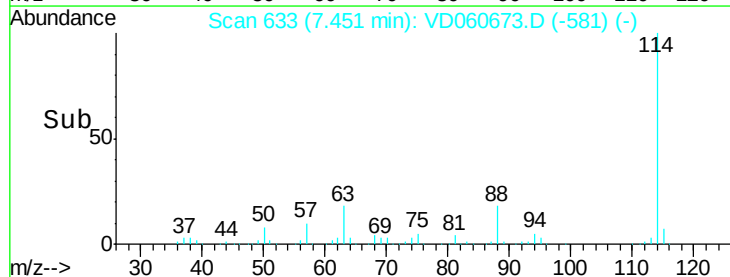
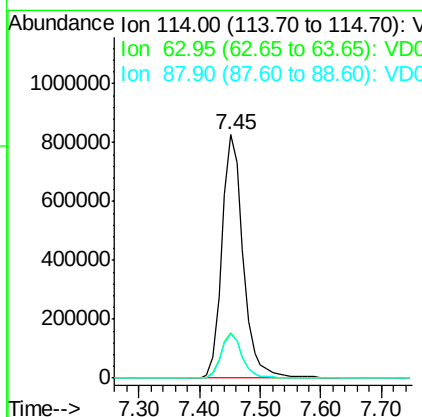
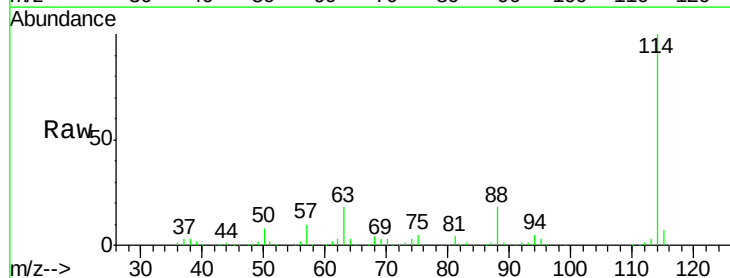
Instrument :
 MSVOA_D
 ClientSampleId :
 VB-1

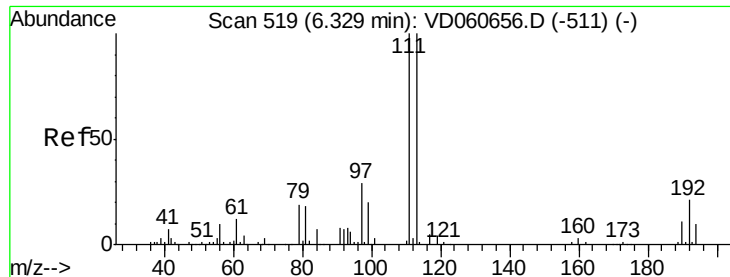
Tgt Ion: 65 Resp: 398324
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 633
 Delta R.T. 0.01 min
 Lab File: VD060673.D
 Acq: 20 Dec 2018 22:08

Tgt Ion: 114 Resp: 2012218
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 36.2
 88 18.2 0.0 37.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.34 min Scan# 520

Delta R.T. 0.01 min

Lab File: VD060673.D

Acq: 20 Dec 2018 22:08

Instrument :

MSVOA_D

ClientSampled :

VB-1

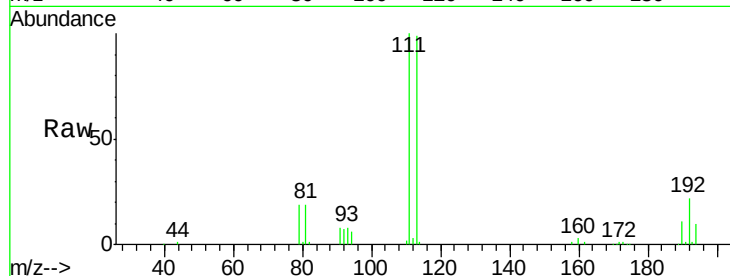
Tgt Ion:113 Resp: 552192

Ion Ratio Lower Upper

113 100

111 101.1 80.0 120.0

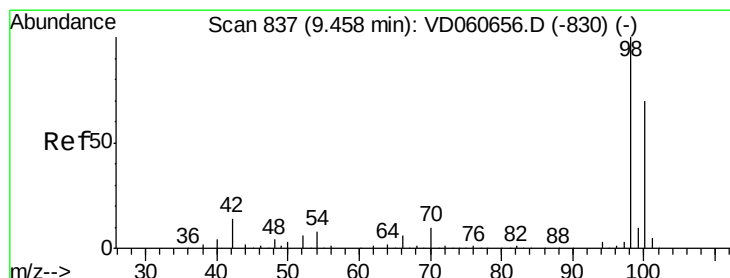
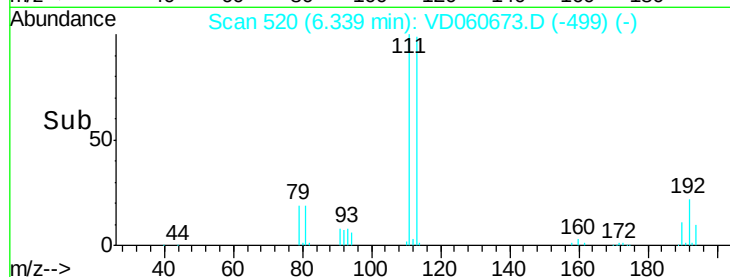
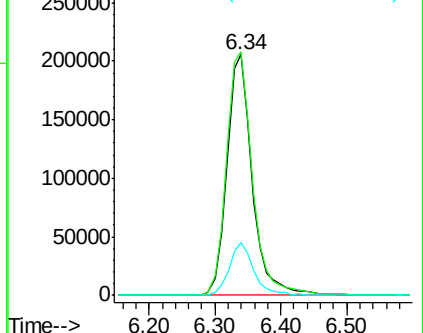
192 22.2 16.6 25.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.47 min Scan# 838

Delta R.T. 0.01 min

Lab File: VD060673.D

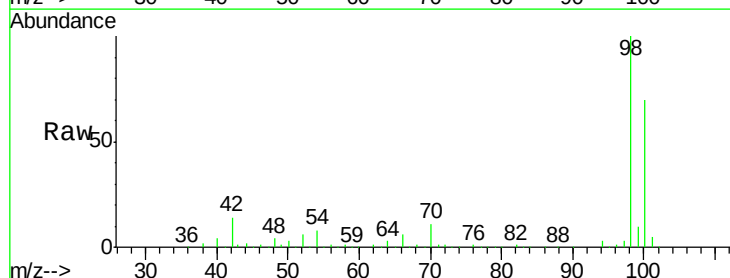
Acq: 20 Dec 2018 22:08

Tgt Ion: 98 Resp: 1393999

Ion Ratio Lower Upper

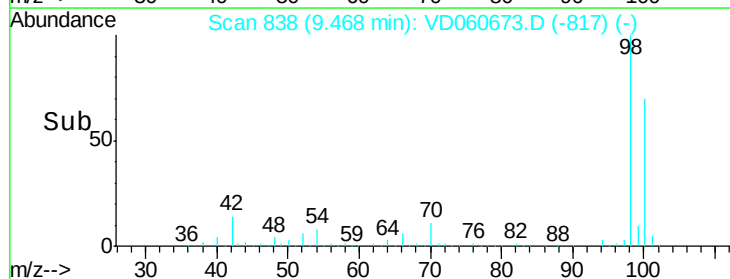
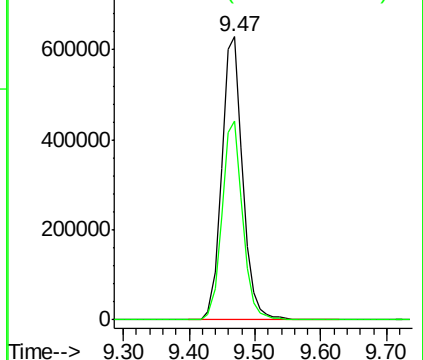
98 100

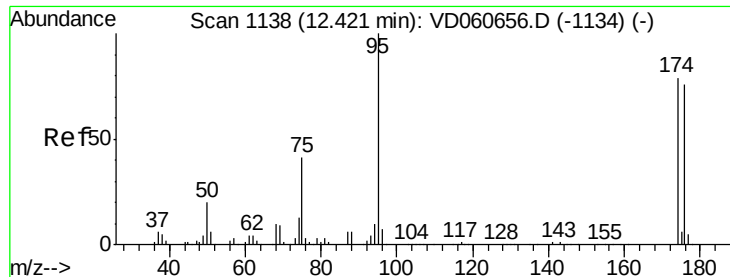
100 70.3 55.8 83.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

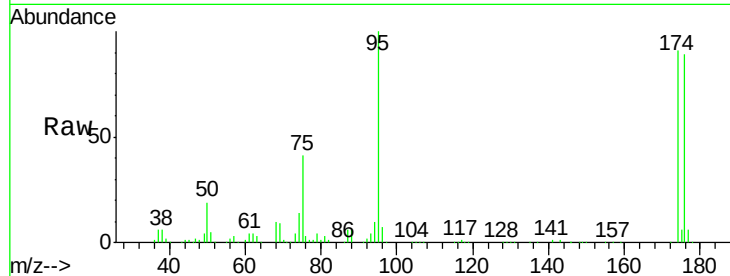




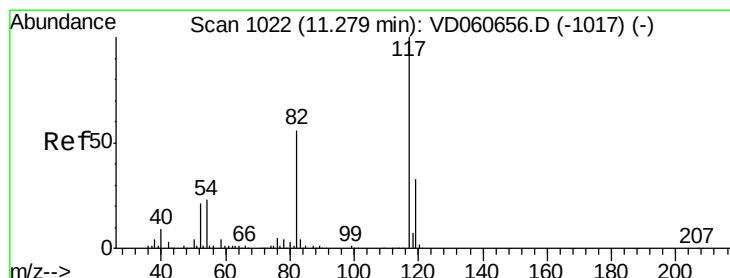
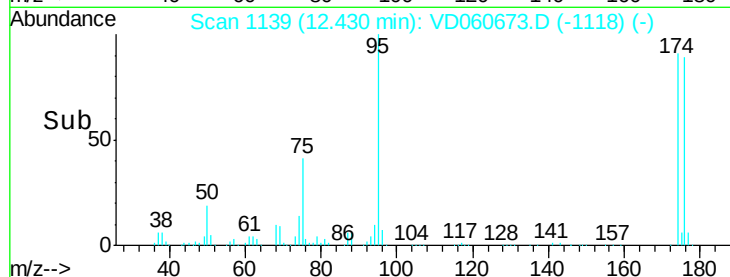
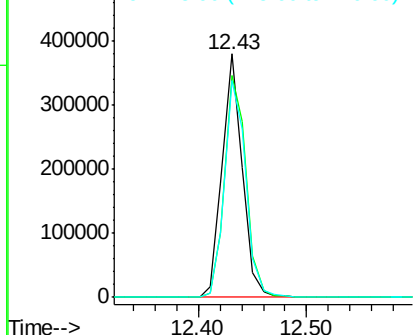
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.43 min Scan# 1139
Delta R.T. 0.01 min
Lab File: VD060673.D
Acq: 20 Dec 2018 22:08

Instrument :
MSVOA_D
ClientSampled :
VB-1

Tgt Ion: 95 Resp: 489442
Ion Ratio Lower Upper
95 100
174 91.3 0.0 158.2
176 89.3 0.0 152.4

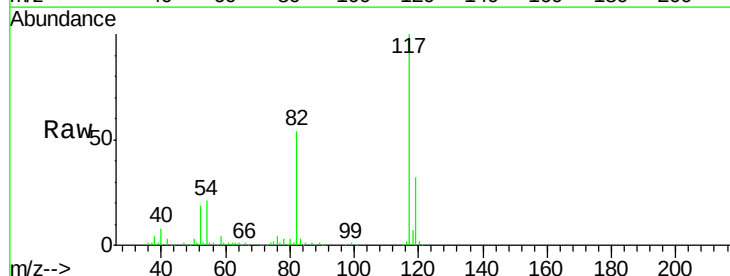


Abundance Ion 95.00 (94.70 to 95.70): VD
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

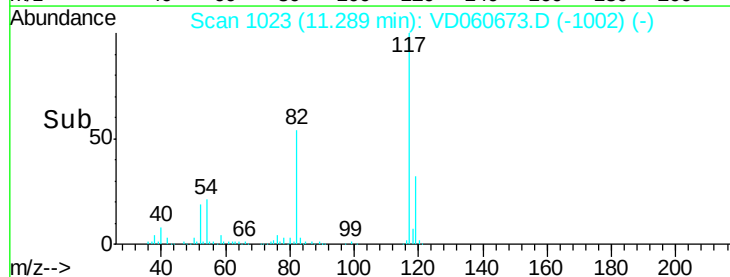
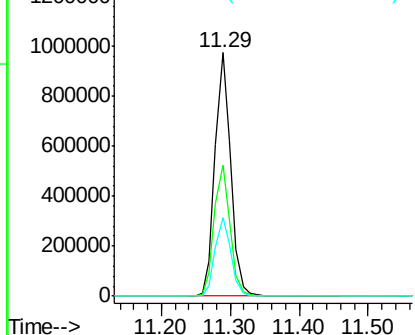


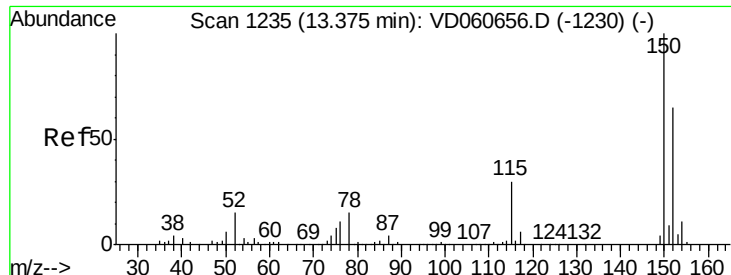
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 1023
Delta R.T. 0.01 min
Lab File: VD060673.D
Acq: 20 Dec 2018 22:08

Tgt Ion: 117 Resp: 1539361
Ion Ratio Lower Upper
117 100
82 53.7 44.5 66.7
119 32.3 26.3 39.5



Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65): V

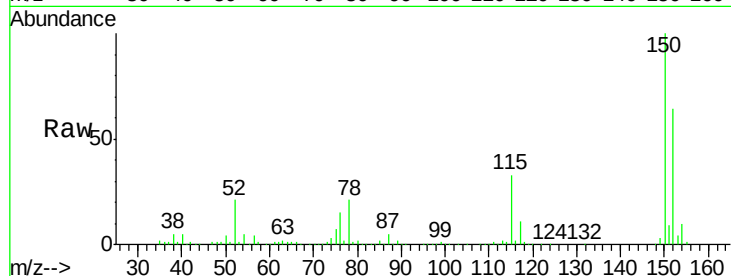




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.38 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VD060673.D
 Acq: 20 Dec 2018 22:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VB-1

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.9	24.1	72.3
150	155.3	0.0	315.0



Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

